

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 30689

Name: Marathon Oil Company

Address 1501 Stampede Avenue

City/State/Zip Cody, WY 82414-4721

Purchaser: Koch

Operator Contact Person: R. P. Meabon

Phone (307) 587-4961

Contractor: Name: Little R Well Service

License: N/A

Wellsite Geologist: N/A

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: Marathon Oil Company

Well Name: Berquist 1-32

Comp. Date 5/23/96 Old Total Depth 5295'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

4-19-95

4-25-94

Spud Date OF START Date Reached TD Completion Date OF
OF WORKOVER WORKOVER

API NO. 15- 199-20064 - 0002

County Wallace

SW - SW - NE - Sec. 32 Twp. 15S Rge. 42 ^E
 _W

2970 Feet from ^S/_N (circle one) Line of Section

2310 Feet from ^E/_W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Berquist Well # 1-32

Field Name Stockholm

Producing Formation Morrow

Elevation: Ground 3894' KB 3903'

Total Depth 5295' PBTB 5232'

Amount of Surface Pipe Set and Cemented at 391 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2551 Feet

If Alternate II completion, cement circulated from 2551

feet depth to Surface w/ 500 sx cmt.

Drilling Fluid Management Plan REWORK 2nd 3-29-95
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

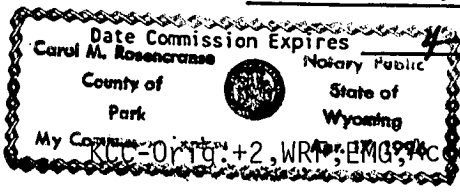
Signature RPM

Title Regulatory Coordinator Date 3/10/95

Subscribed and sworn to before me this 10th day of MARCH, 19 95.

Notary Public Carol M. Rosencrance

Date Commission Expires 4-17-96



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution: KCC SWD/Rep NGPA Plug Other (Specify)
03-13-95

Operator Name Marathon Oil Company Lease Name Berquist Well # 1-32
 Sec. 32 Twp. 15S Rge. 42 East West
 County Wallace

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:

Log	Formation (Top), Depth and Datums	Sample
	Name	Top Datum
	Stone Corral	2796'
	Heebner	4126'
	Lansing	4186'
	Marmaton	4628'
	Atoka	4822'
	Morrow	5024'
	Morrow Sand	5114'
	St. Genevieve	5252'

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	391'	Lite-C1 "C"	270	3% CaCl ₂
Production	7-7/8"	5-1/2"	15.5#	5263'	50% Pozmix	125	10% Salt
							12.5#/Sk Gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5116'-5134'	None	
4	5116'-5134' 4 PHASE DEGREE (90	TOTAL SHOTS)	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	5037'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method				
5/23/96	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	21	---	3		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

15-199-20064-00-02

7-DEC-94

MARATHON OIL COMPANY
HISTORY OF OIL OR GAS WELL
FIELD: STOCKHOLM

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(1-32)

WELL NO: BERGQUIST TW#1

SEC 32 TWP 15.00S R. 42.00W
2970' FSL, 2310' FEL SW NE

STATE: KS COUNTY: WALLACE

KB Elev.	3903'	Prep by	<u>C.R. Adams</u>
Grd. or Mat. Elev.	3894'	Title	<u>Adv. Eng. Tech.</u>
TD	5295'	Route to: Regulatory	___
PBTD	5232'	WRF	___

PRESENT STATUS

CLASS: OIL	STATUS: ACTIVE
FORMT: MORROW	TYPE: SINGLE

PRODUCTION TUBING FAILURE AND
REPERFORATE THE MORROW

PROJECT SUMMARY: The well was pulled for a tubing failure, reperforated at 5116'-5134' in the Morrow and returned to production.

- 01-APR-94 A well test from the Findlay database indicatd 23 BOPD, 5 BWPD, and 1 MCFD.
- 19-APR-94 MIRU PATRICK WELL SERVICE. POOH W/ PULL ROD AND RODS. SDFD.
- 20-APR-94 RU RELEASE TAC AND POIOH W/ TBG. FOUND 148 TH JOINT ROD CUT. RU TO SWAB CSG AND SDFD.

FAILURE DATA

FAILED EQUIP: PROD TUBING LOCATION: BODY
 SIZE: 2 7/8 DEPTH #JTS: 148 LINER:
 TYPE OF FLR: OTHER CAUSE OF FLR: WEAR
 CURRENT RIG: PATRICK COST: 0
 COMMENTS: FAIL DUE TO ROD CUT. HYDOTEST TBG.CHG.14

- 21-APR-94 SWAB WELL DOWN TO 5100. MIRU MERCURY WIRELINE AND REPERF WELL (SEE TEMPLATE) RU AND HYDROTESTED TBG WHILE RUNNING IN HOLE AND FOUND 6 BAD JOINTS. LAYED DOWN 27 JTS OF TBG AND STEAMED TO REMOVE PARAFFIN. HYDROTESTER BROKE DOWN AND SDFD.

PERF DATA

VENDOR MERCURY GUN SIZE CHG SIZE (GM) 22.0
 CHG TYPE SCS CORRELATION LOG USED MAR-19-91

SEQ: 1 FORM: MORROW SUB: MORROW TOP DEP: 5116
 BOT DEP: 5134 DEN SPF: 4 PHAS DEG: 90 TOT SHOTS: 72

- 22-APR-94 FINISH HYDROTESTING TBG INTO HOLE AND FOUND A TOTAL OF 14 BAD JTS. TBG EQUIPMENT IS AS FOLLOWS:
 - 1 - BULL PLUGGED JT OF TBG
 - 1 - 2 7/8 PERF SUB

7-DEC-94

MARATHON OIL COMPANY
 HISTORY OF OIL OR GAS WELL
 FIELD: STOCKHOLM
 WELL: BERGQUIST TW #1

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1 - 2 7/8 PERMANENT STANDING VALVE ASSEMBLY
 3 - JTS 2 7/8 TBG
 1 - 5 1/2 TAC
 157 - JTS OF 2 7/8 TBG
 1 - 2 7/8 10' TBG PUP *Anchor set at 5037*
 SET TAC W/ 10,000 STRETCH. RU SWAB WELL DOWN AND SDFD.

23-APR-94 RU RIH W/ BTM HOLE PRESSURE BOMB. POOH W/ BOMB AND RIH W/
 PUMP AND RODS AS FOLLOWS:
 1 - 2 1/2 X 1 1/2 X 16 RWBC PUMP
 122 - 3/4 X 25 PLAIN RODS
 83 - 7/8 X 25 SCRAPER RODS
 1 - 7/8 X 4 PONY ROD
 1 - 1 1/4 POLISH ROD W/ 1 1/2 LINER
 REPLACED 72 3/4 RODS AND 80 3/4 ROD BOXES. ALL ROD BOXES
 SHOWED EXTREME WEAR INTO THE ROD SHOULDERS. HUNG ON WITH
 POOR PUMP ACTION AND POP.

24-APR-94 WELL IS NOT PUMPED UP AND THERE IS NO PUMP ACTION.

25-APR-94 LOWERED PUMP AND TAGGED BTM. WELL STARTED PUMPING.

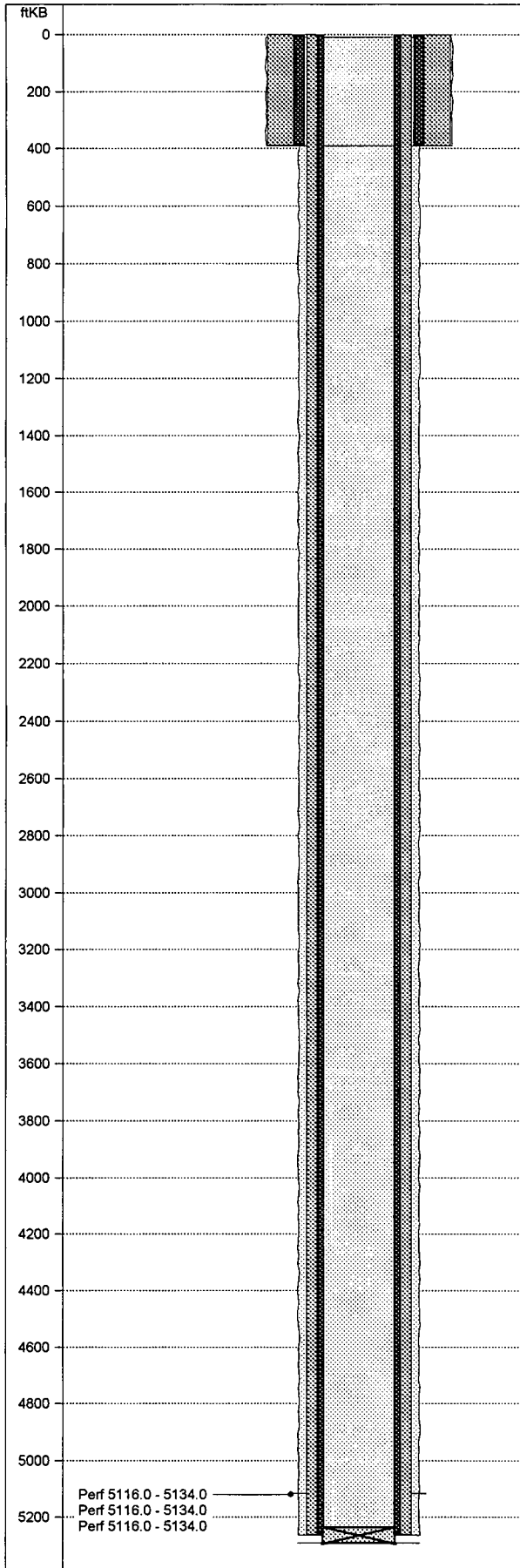
01-MAY-94 Well tests from the Findaly database were as follows:

Date	BOPD	BWPD	MCFD
5/1/94	12	9	1
6/1/94	4	1	2
7/1/94	3	1	32
8/1/94	4	2	1.9
9/1/04	14	6	2
10/2/94	20	5	NA
11/1/94	21	3	NA

[Faint, illegible stamps and markings at the bottom right of the page]

Marathon Oil Company

15-199-20064-00-02



T.W. Bergquist #1 Stockholm Field, Wallace Co. Location: 2970' FSL, 2310' FEL, Sec. 32, T15S, R42W	
General Well Information	
State: Kansas Class.: Active Producer Pool: Morrow Permit: 9/6/94 Spud: 9/20/85	
Elevations	
KB: 3903.0 ft CF: TH: Grd: 3894.0 ft	
Perforations	
5116.0-5134.0 Shots: 4.0 /ft Date: 10/1/85 5116.0-5134.0 Shots: 4.0 /ft Date: 5/20/93 5116.0-5134.0 Shots: 4.0 /ft Date: 4/21/94	
General Notes	
9/6/94 DST #1 4482'-4559' Lansing and DST #2 5014'-5130' Stockholm. Cmt. sleeve at 2536'. Cement at surface on both strings. Surface w/ 270 sxs. and production w/ 125 sxs. first stage and 500 sxs. second stage. Well frac'd w/ total of 15,000 lbs. 20/40 and 15,000 lbs. 12/20 sand. in 10/86. Reperf'd in 5/93 and 4/94.	
Casing String(s) & Equipment	
Surface Casing 0.0-391.0 Run: OD: 8.625 ID: 7.025 Wt: 24.00 Grd: J-55 Thrd: Jnts: 0	
Production Casing 0.0-5263.0 Run: OD: 5.500 ID: 4.950 Wt: 15.50 Grd: J-55 Thrd: Jnts: 0	
PBTD - TD 5232.0-5295.0 Run: OD: 4.950 ID: 4.950 Wt: Grd: Thrd: Jnts: 0	